Alberta

1971 ANNUAL REVIEW OF BUSINESS CONDITIONS

101-06554
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JUL 26 1973
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REVIEW OF BUSINESS CONDITIONS

The construction and mining industries each had a record breaking year in 1971. Farmers' cash income surpassed that of 1970. While the total value of all manufacturers' shipments rose to a new high, increases in most subgroups were almost matched by the drastic declines of some others. Forestry output, hard hit by a strike of pulpwood loggers early in the year, largely held its own through later replenishment of stock piles and much higher sawmilling activity. Labour income rose by 10% to over $3.5 billion due to an increased labour force, larger numbers employed over most months of the year, and higher rates of wages and salaries. Retail sales were close to 9% higher in 1971; the major significant increases were in sales by Department stores, and by automotive outlets and service stations. Unemployment rates were substantially lower in the later months of 1971 as compared with the late months of 1970, largely because construction industry activity (particularly residential) deteriorated progressively throughout 1970, while during 1971 activity accelerated month by month as the year wore on. In common with other parts of Canada the rates of inflation appear to be accelerating again, with the Calgary–Edmonton December 1971 rate, at 130.3 (1961 = 100) being some 4.1 points higher than in December 1970. Many of the industry increases recorded should be understood to incorporate these inflationary factors, though to differing degrees: some increases represent only changed dollar, and to a lesser degree physical, volumes.

OUTLOOK

The outlook for 1972 remains uncertain, but on the whole more promising than twelve months earlier. Mineral production will almost certainly increase; whether there will be increases in mining industry investment and expenditures is uncertain at this time.

It appears that there will be a higher volume of grain sales (at slightly lower prices), and that livestock prices and sales volumes will remain firm. Accordingly, farmers' cash receipts should be slightly above those of 1971.

The high national unemployment rate will likely induce the federal government to continue to make funds available in order to maintain and improve employment prospects in and by the construction industry. Activity in the construction industry in turn conduces higher activity in the manufacturing and service industries, and particularly in retail sales.

The general outlook for Canadian manufacturing is not so favourable. Although there is general relief that the American surcharges have been removed, it must be realized that the 8% upward revaluation of the Canadian dollar effective throughout all of 1971 remains and reduces Canadian competitiveness by a like amount in the one market which accepts over two thirds of Canada exports. While the American markets will remain firm for those raw materials of which they are in short supply, such firmness is not likely to carry over into highly processed products.

PRINCIPAL ECONOMIC INDICATORS

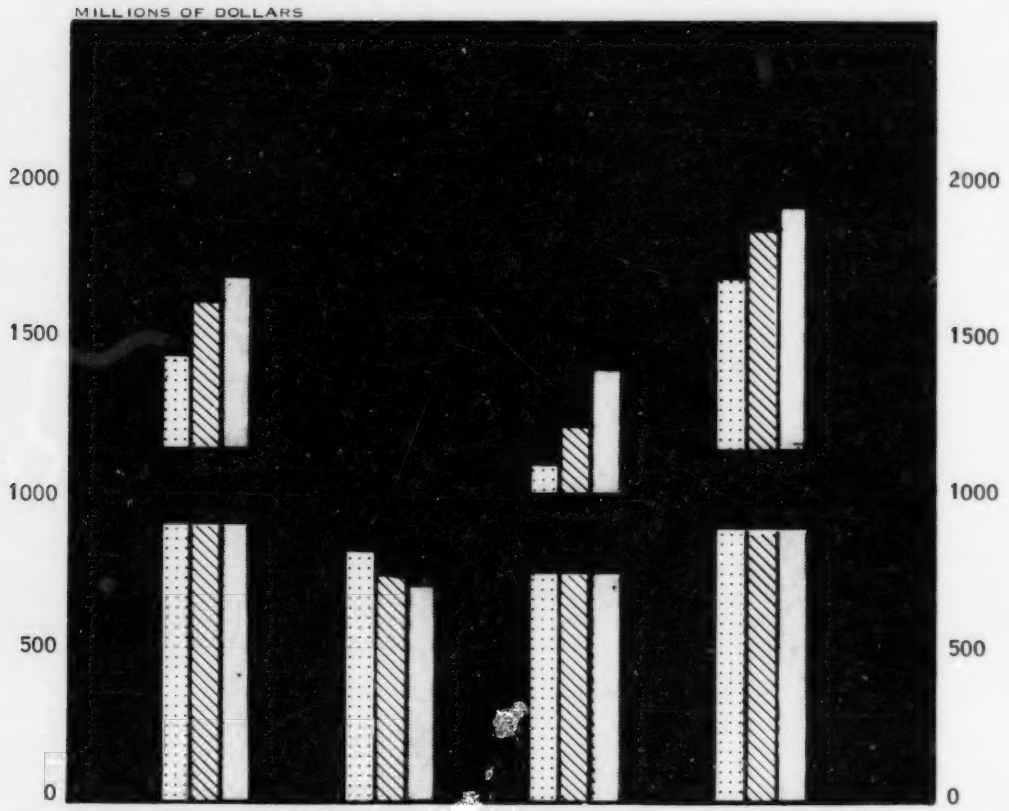
	1968	1969	1970	1971
	(thousands of dollars)			
Mineral Production	1,091,767	1,205,308	1,394,715	1,652,071
Value of Construction Work	1,442,759	1,607,587	1,697,943	1,725,857
Value of Building Permits	470,885	495,042	419,666	567,293
Manufacturing Shipments	1,667,000	1,849,300	1,913,000	1,992,000
Farm Cash Receipts	802,090	729,900	708,555	777,943
Net Value of Production	2,960,828	3,252,014	3,512,731	3,904,000
Retail Trade	2,066,890	2,234,704	2,230,435	2,422,038
Private and Public Investment	2,173,100	2,399,400	2,486,400	2,633,700
Labour Income	2,475,000	2,910,000	3,221,000	3,532,100

Added to this is the more general and growing Canadian realization that the European Common Market is basically, a protected and self contained unit, desirous of reducing imports as much as possible in favour of regional producers. The fact that Britain and other countries are now joining the E.C.M. has the double effect of reducing the imports of a preferential buyer and of making Canada non–attractive to American investors and firms which had set up plants in Canada to take advantage of Empire tariff preferences.

It is true that most other countries were forced to revalue their currencies upwards in terms of the American–Canada dollar. To this extent Canada is in a more favourable position than in previous years. But for the immediate future it is also true that those countries are experiencing relatively serious economic difficulties which will have to be overcome before Canadian exports can be increased substantially.

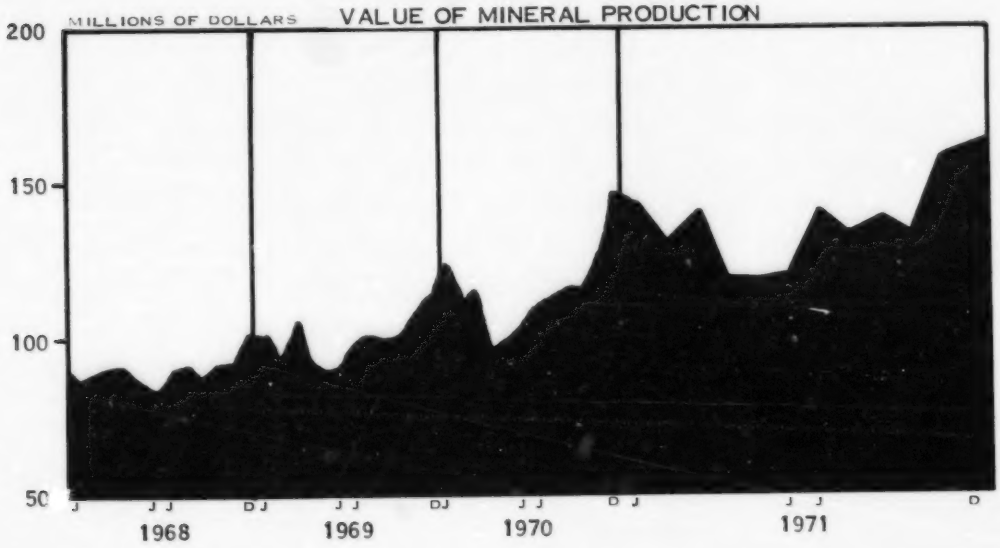
Since half of Alberta manufacturing output is exported from the province any pronounced slow down in economic activity in other parts of Canada must necessarily affect the provincial sales and shipments of products.

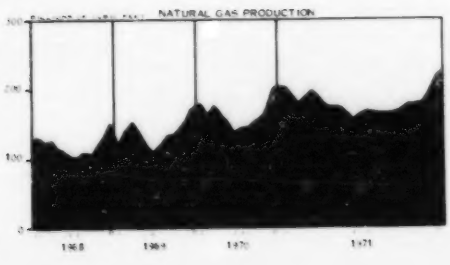
On balance, with the general reservation that Alberta would find it difficult to remain prosperous in a generally depressed national economy, it appears likely that continuing good prospects for the agricultural, mining, and construction industries will maintain relatively stable employment and incomes through 1972.

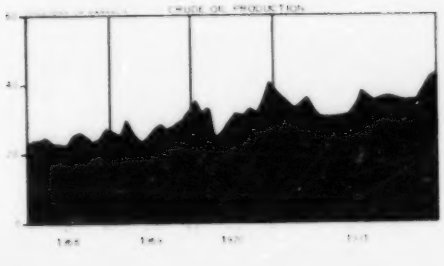


MINING INDUSTRY

As expected mineral production again rose substantially. For the first time it exceeded that of Ontario by a considerable margin. Exports to the United States accounted for about 27 million barrels of the increase of crude oil, and for about 123 mmcf. of the increase in natural gas sales. Coal shipments to Japan, although not yet to contract levels, totalled over 4.2 million tons, 1.8 million tons higher than in 1970. The receipts from these sales more than offset the continued decline in the receipts received from sulphur sales. It may be noted that export of minerals from Alberta contributed over $800 million to the Canadian balance of payments with which Canada pays for her large volume of manufactured imports from the USA and Japan.







MINERAL PRODUCTION

		1968	1969	1970	1971
Coal Production					
Bituminous	Tons	948,480	1,231,108	2,863,705	4,505,737
Sub-Bituminous	Tons	2,976,634	3,194,952	3,920,206	4,425,731
	$'000	12,597	13,483	26,710	41,837
Salt Production	Tons	153,058	265,390	281,328	262,885
Lime Production	Tons	74,337	83,632	88,359	99,157
	$'000	1,255	1,431	1,784	2,076
Sand and Gravel	M Tons	13,600	14,904	16,042	16,400
	$'000	10,740	10,530	13,000	13,300
Stone	Tons	220,523	314,701	166,147	200,000
	$'000	696	1,098	613	700
Sulphur					
Production	Long Tons	2,989,588	3,653,957	4,181,636	4,485,861
Sales in Canada	Long Tons	564,527	495,780	561,934	643,085
Sales in United States	Long Tons	757,203	907,287	952,322	756,568
Offshore Sales	Long Tons	887,547	1,165,214	1,557,288	1,272,180
Value of Sales	$'000	76,318	58,863	27,435	19,284
Clay Products – Gross Sales	$'000	4,425	4,640	3,235	3,350
Crude Oil, Synthetic Crude, Condensate, Pentanes Plus					
Production	M Bbls.	288,238	326,397	380,298	416,001
Value to Producer	$'000	744,523	837,931	991,271	1,209,089
Sales in Canada	M Bbls.	148,396	154,641	173,527	183,861
Sales in United States	M Bbls.	134,863	168,447	205,056	232,152
Natural Gas					
Production	MMCF	1,429,227	1,676,624	1,941,763	2,138,773
Sales in Canada	MMCF	589,043	713,454	824,249	861,431
Sales in United States	MMCF	498,972	558,024	654,794	777,514
Value of Sales	$'000	170,961	200,408	243,877	266,289
Propane					
Production	M Bbls.	14,512	16,616	20,058	23,092
Sales in Canada	M Bbls.	8,034	9,263	8,733	9,091
Sales in United States	M Bbls.	3,847	4,116	7,774	9,863
Offshore Sales	M Bbls.	2,089	3,129	3,169	2,636
Value of Sales	$'000	21,519	21,173	25,973	33,896
Butane					
Production	M Bbls.	9,844	10,419	12,544	14,752
Sales in Canada	M Bbls.	3,025	3,016	3,838	5,261
Sales in United States	M Bbls.	6,414	7,100	8,728	8,816
Value of Sales	$'000	13,151	12,958	14,953	19,004
Synthetic Crude Oil					
Production	M Bbls.	5,725	10,087	12,082	15,540
Value to Producer	$'000	15,743	27,790	33,346	46,511
Peat Moss	Tons	7,993	9,261	12,060	7,000
	$'000	202	282	334	196
Sodium Sulphate	Tons	--	--	--	--
	$'000	--	281	1,146	1,290

CONSTRUCTION INDUSTRY

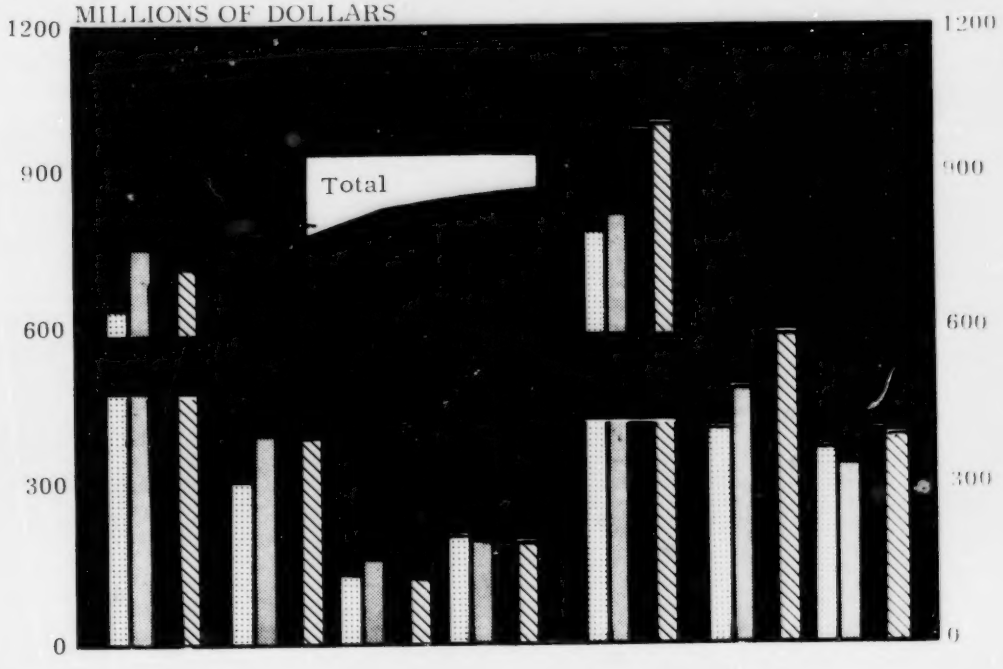
The construction industry rebounded sharply from the very depressed level of activity which prevailed in 1970. The value of building permits issued by incorporated municipalities exceeded $500 million for the first time. At $567 million, the permit valuation was nearly $150 million higher than in 1970. Both Calgary and Edmonton approached the $200 million mark in permit valuation, with the Edmonton figure over $85 million higher than in 1970. (However, the Edmonton year to year comparison is distorted because of the introduction early in the year of a revised method of valuing residential building permits).

Particularly encouraging because of its substantial effect on winter unemployment, is the fact that at the end of December 1971 nearly 4,800 dwelling units were under construction in the Calgary metro area (as compared with 4,100 at December 1970), and nearly 8,100 in the Edmonton metro area (as compared with 5,100 at December 1970). For the province as a whole the number of dwelling unit starts exceeded 21,700 during 1971 as compared with 14,100 in 1970.

The value of residential building permits was $100 million higher than in 1970; industrial permits rose by $3 million; commercial permits rose by $53 million; and permits covering government and institutional building were $7 million lower.

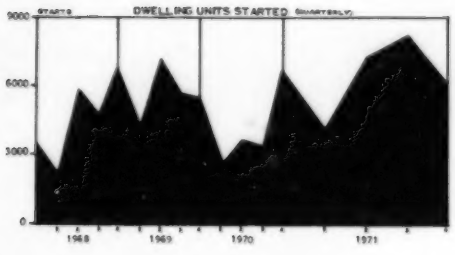
VALUE OF CONSTRUCTION WORK PERFORMED

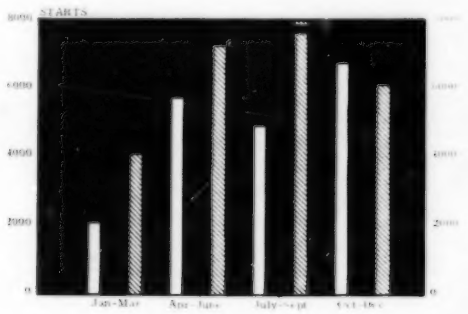
	1969 $	1970 $	1971 (preliminary) $
Building Construction	769,136,000	701,995,000	723,792,000
Engineering Construction	838,451,000	995,948,000	1,002,065,000
TOTAL	1,607,587,000	1,697,943,000	1,725,857,000



HOUSING STATISTICS

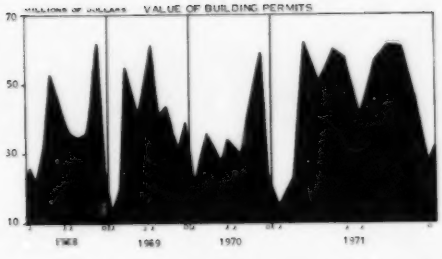
		1968	1969	1970	1971
ALBERTA					
Dwelling Starts	No.	19,611	22,662	16,251	25,602
Completions	No.	15,418	19,486	18,827	20,829
Under Construction at Year End	No.	11,098	13,878	10,996	15,320
Loan Approvals	No.	9,358	9,087	14,562	19,927
Calgary: Metro					
Dwelling Starts	No.	7,403	9,737	6,740	8,801
Completions	No.	4,301	7,775	9,001	7,738
Under Construction at Year End	No.	4,906	6,717	4,079	4,768
Edmonton: Metro					
Dwelling Starts	No.	9,003	9,807	6,330	11,286
Completions	No.	7,772	8,601	7,129	8,252
Under Construction at Year End	No.	4,832	5,789	5,087	8,096
Grande Prairie					
Dwelling Starts	No.	141	156	164	307
Completions	No.	95	124	161	242
Under Construction at Year End	No.	86	118	120	184
Lethbridge					
Dwelling Starts	No.	378	425	643	700
Completions	No.	296	378	485	864
Under Construction at Year End	No.	178	220	377	201
Medicine Hat					
Dwelling Starts	No.	216	184	67	153
Completions	No.	108	271	79	91
Under Construction at Year End	No.	139	50	37	95
Red Deer					
Dwelling Starts	No.	176	212	149	459
Completions	No.	156	207	147	320
Under Construction at Year End	No.	70	74	76	214

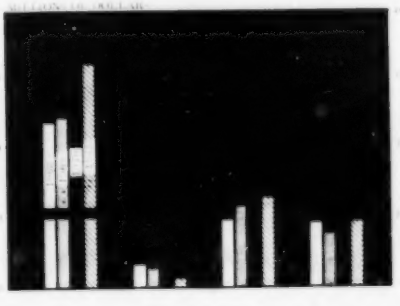




VALUE OF BUILDING PERMITS ISSUED IN CENSUS DIVISIONS AND BY CITIES

	1968 $	1969 $	1970 $	1971 $
Division No. 1	7,168,425	6,058,915	6,681,790	5,281,851
Medicine Hat	6,436,262	5,384,690	6,100,865	3,921,745
Division No. 2	13,991,618	22,321,378	31,934,317	22,985,296
Lethbridge	10,120,682	17,683,967	27,633,254	18,164,047
Division No. 3	5,080,571	3,704,044	1,950,226	3,702,659
Division No. 4	1,104,171	410,350	1,396,264	461,798
Division No. 5	2,365,090	2,851,035	1,503,250	1,955,767
Drumheller	1,147,000	2,159,630	474,250	1,263,000
Division No. 6	190,818,979	183,558,728	178,379,629	200,318,379
Calgary	183,128,506	172,371,606	173,431,701	193,324,214
Division No. 7	3,242,943	4,815,396	3,942,580	1,913,023
Division No. 8	9,537,706	11,249,219	9,820,141	15,501,320
Red Deer	6,276,420	7,242,094	6,507,574	9,334,470
Division No. 9	4,821,884	2,990,121	4,866,726	8,596,222
Division No. 10	7,896,238	7,878,491	4,092,786	7,250,760
Camrose	3,396,550	1,540,900	995,600	2,423,650
Lloydminster	1,554,182	2,360,950	1,706,895	2,350,669
Division No. 11	193,729,400	211,657,206	149,443,710	260,933,181
Edmonton	165,804,604	170,093,884	108,674,594	194,725,155
Wetaskiwin	2,219,331	2,111,320	773,510	1,589,197
Division No. 12	6,901,094	7,189,065	5,065,127	9,243,301
Division No. 13	4,138,013	3,352,021	2,831,958	3,146,822
Division No. 14	3,629,860	4,855,854	4,271,408	6,748,078
Division No. 15	16,459,370	22,149,786	13,486,458	19,254,502
Grande Prairie	5,366,127	3,719,230	4,007,650	8,094,942
TOTAL ALBERTA	470,885,362	495,041,609	419,666,370	567,292,959
TOTAL 10 CITIES	385,449,664	384,668,271	330,305,893	435,191,089





MANUFACTURING INDUSTRY

Near final figures show that manufacturers shipments in 1970 are valued at approximately $1,913 million: the comparable 1971 figure is estimated at $1,992 million, an increase of some 4%.

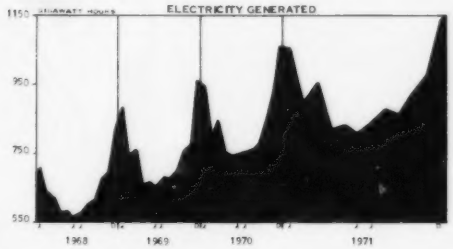
The increases and decreases varied significantly among the industrial subgroups. There were substantial increases in shipments of food and beverages (up 6%); wood products (up 14%); transportation equipment (up 22%); and chemical industry production (up 9%).

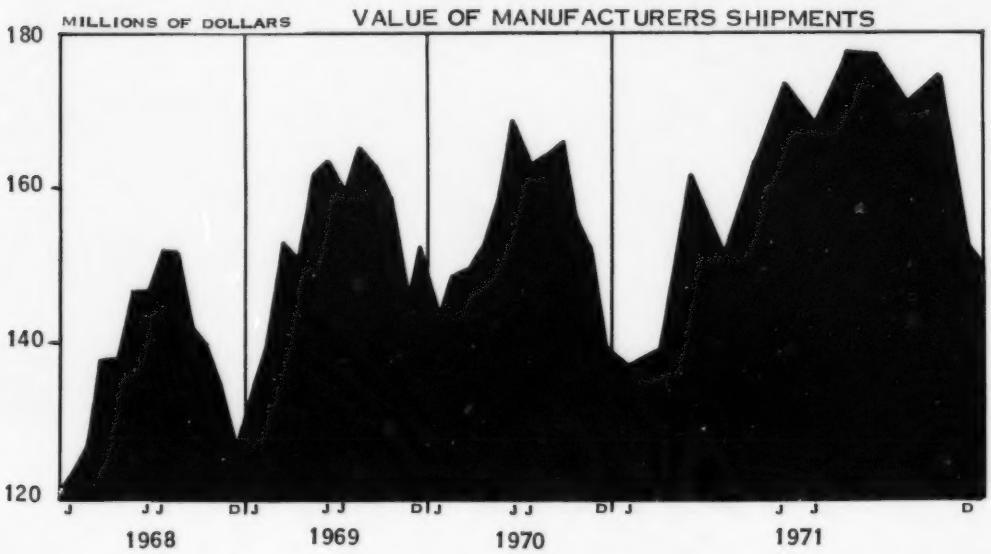
A substantial decrease was recorded in the primary metals industry (down 27%). The 1970 strike of eastern nickel production workers had a most beneficial effect on Alberta operations – which in turn was reflected in a drastic decline when the strikes were settled and nickel prices fell. The upward revaluation of the Canadian dollar as expected had a most depressing effect on some firms in the chemical products and the paper producing industries. Several firms serving the Alberta oil industry also showed an overall decline in activity, reflecting the lower regional activity in exploration and development.

Other industrial groups showed normal increases, in line with the generally higher levels of economic activity, and population growth, in the province.

The next significant annual increase in manufacturing output will accompany the coming on stream of the additional pulpmill and oil refinery, now under construction. Listings of major industrial plants (mainly manufacturing) completed during 1971, under construction at year end, and mentioned publicly as proposed (though not yet certain), appears at the end of this publication.

To clarify a point frequently questioned: gas, sulphur, and synthetic crude oil plants are attributed to the mining, not to the manufacturing industry. Similarly both hydro and thermal electrical generation plants are attributed to the electric utility industry. These allocations are made to conform to universal economic practice, such that conventional interprovincial, national, and international comparisons can be made.





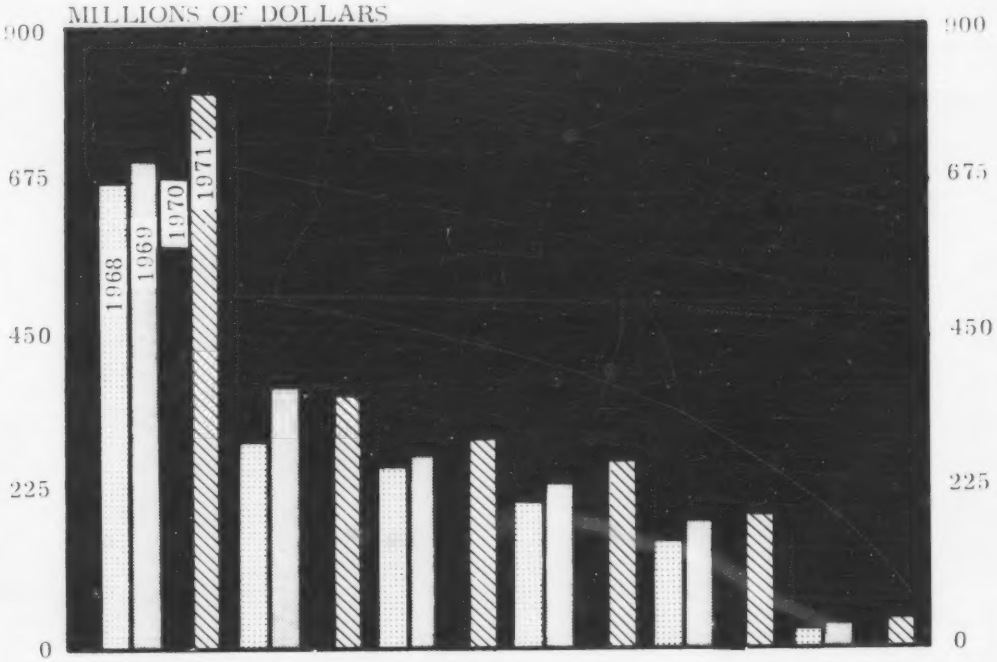
SHIPMENTS, ALBERTA MANUFACTURING INDUSTRIES

		1968	1969	1970	1971
Petroleum Products Refined					
Motor Gasoline	M Bbls.	18,140	18,769	18,787	20,363
Diesel Fuel Oil	M Bbls.	7,905	8,037	9,116	10,006
Other	M Bbls.	11,961	13,615	13,233	15,312
Total	M Bbls.	38,005	40,420	41,136	45,681
Flour Mills					
Production	M Centals	6,306	5,111	5,111	4,459
All Mill Products Shipped	$'000	36,320	30,521	30,812	27,188
Creamery Butter					
Production	M Lbs.	32,040	29,527	29,324	27,023
	$'000	20,653	19,281	18,987	17,938
Cheese					
Production	M Lbs.	3,457	3,013	3,507	3,768
	$'000	1,585	1,551	1,837	2,393
Ice Cream					
Production	M Gals.	5,091	5,453	5,662	6,220
	$'000	7,891	9,107	8,823	10,464
Carbonated Beverages	$'000	12,195	17,214	22,291	24,405
Packing Plants					
Gross Sales	$'000	382,353	403,069	439,325	485,381
Production	M Lbs.	776,392	694,133	757,298	860,468
	$'000	287,786	294,357	319,468	354,228
Exports	M Lbs.	491,550	427,936	481,427	541,609
	$'000	193,218	189,424	214,690	243,458
Livestock Slaughtered					
Cattle	No.	899,931	860,475	895,320	1,015,967
Calves	No.	63,656	31,562	18,917	17,879
Hogs	No.	1,541,046	1,268,145	1,515,573	1,972,024
Sheep and Lambs	No.	50,854	40,911	36,331	45,199
Sawmills					
Production: Lumber	MFBM	337,531	425,547	466,284	475,000
Railway Ties	No.	458,744	320,761	327,549	296,000
Sales: Lumber	MFBM	346,724	390,690	432,220	551,000
	$'000	24,375	32,764	27,431	41,000
Railway Ties	No.	514,635	263,567	331,969	297,000
	$'000	1,055	631	886	793
Cement Production	M Tons	830	890	887	920
	$'000	11,863	18,944	19,881	21,366
Brewed Products	M Gals.	n.a.	19,304	19,785	23,328
Electricity:					
Net Generated	MWH	7,661,396	8,824,689	9,953,296	10,984,053

VALUE OF MANUFACTURING SHIPMENTS

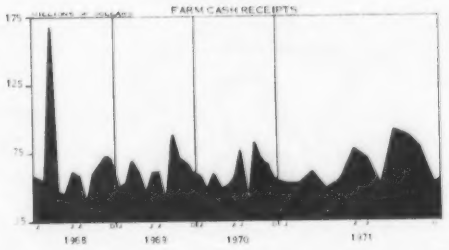
Industries	1961[1]	1968[1]	1969[1]	1970[2]	1971[2]
	(thousands of dollars)				
Foods & Beverages	395,000	677,800	708,500	763,000	810,000
Leather	1,100	2,700	2,800	4,000	4,000
Textile	7,800	14,500	16,400	13,000	14,000
Clothing	12,800	24,600	26,300	28,000	30,000
Wood	39,600	95,300	111,000	110,000	125,000
Furniture & Fixtures	9,000	17,200	17,300	18,000	19,000
Paper & Allied	41,300	50,800	54,600	59,000	61,000
Printing, Publishing & Allied	30,300	51,700	58,500	63,000	67,000
Primary Metal	68,600	134,400	153,000	167,000	122,000
Metal Fabricating	56,100	104,000	134,000	125,000	135,000
Machinery	6,700	25,800	32,000	34,000	34,000
Transportation Equipment	14,000	41,600	65,600	64,000	78,000
Electrical Products	7,000	22,400	28,000	31,000	31,000
Non-Metallic Mineral Products	60,500	96,300	111,900	104,000	115,000
Petroleum Refining	108,600	156,300	177,000	178,000	185,000
Chemical & Chemical Products	61,000	113,000	110,800	110,000	120,000
Miscellaneous Manufacturing	16,100	38,600	41,600	42,000	42,000
Total	935,500	1,667,000	1,849,300	1,913,000	1,992,000

[1]Final Dominion Bureau of Statistics [2]Preliminary Alberta Bureau of Statistics



AGRICULTURAL INDUSTRY

Farmers' cash receipts were nearly $70 million higher than in 1970. Unlike the experience of recent years, however, the better returns are due to much higher receipts from field crops; receipts from livestock were fractionally higher than in 1970. Receipts from field crops totalled $321 million, as compared with $248 million in 1970; receipts from livestock and products totalled $440 million and $444 million for 1970 and 1971 respectively. The higher farm gross income was reflected in higher sales of farm implements, at $88 million up by 39%.



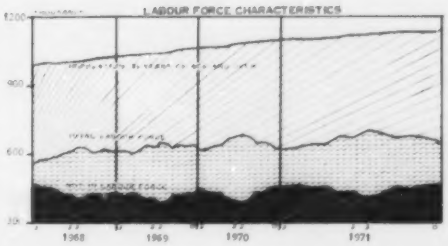
ESTIMATED ALBERTA FARMERS' CASH RECEIPTS FROM FARMING OPERATIONS

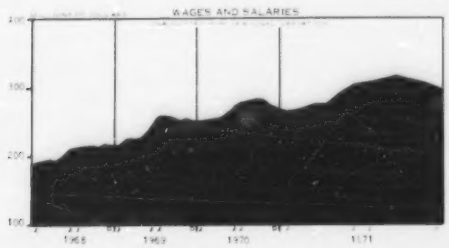
	1968 ($'000)	1969 ($'000)	1970 ($'000)	1971 ($'000)
Wheat	230,931	122,809	122,461	147,366
Oats	7,721	7,706	5,408	9,573
Barley	66,134	48,005	64,853	88,977
C.W.B. Net cash advance payments	12,918	45,708	29,739	18,496
Rye	1,094	627	1,667	2,425
Flaxseed	4,680	12,501	13,153	12,397
Rapeseed	15,198	19,205	35,783	45,220
Sugar Beets	7,024	8,731	9,206	10,584
Potatoes	5,193	7,393	10,147	9,938
Vegetables	2,197	2,219	1,669	1,494
Other Crops	14,467	10,003	11,481	11,740
TOTAL CROPS	367,557	284,907	246,089	321,218
Cattle and Calves	258,665	259,826	257,429	268,049
Hogs	78,600	83,999	91,795	84,333
Sheep and Lambs	2,607	1,898	1,564	1,892
Dairy Products	43,924	43,345	45,548	46,114
Poultry	17,529	19,211	20,641	21,071
Eggs	11,808	14,667	14,593	14,136
Other Livestock and Products	7,189	8,211	8,132	8,060
TOTAL LIVESTOCK AND PRODUCTS	420,322	431,157	439,702	443,655
Forest Products	124	100	100	103
Dairy Supplementary Payments	10,154	7,911	6,517	6,743
Deficiency Payments	1,782	3,396	1,654	591
Cash Receipts from Farming Operations	799,939	727,471	694,062	772,310
Supplementary Payments	2,151	2,429	14,493	5,633
TOTAL CASH RECEIPTS	802,090	729,900	708,555	777,943

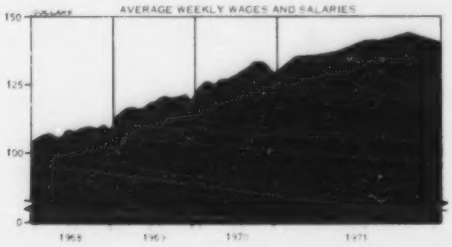
LABOUR

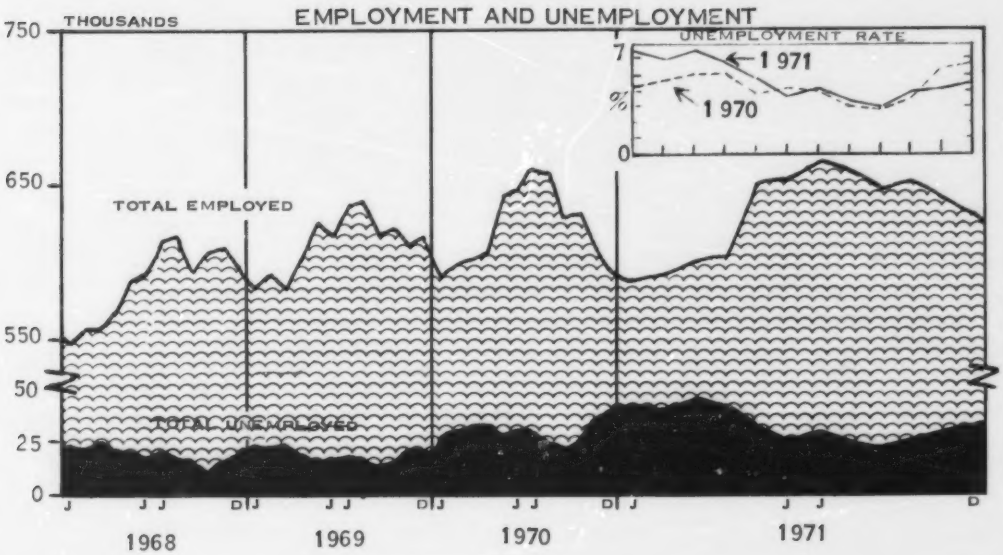
The Alberta labour force increased from an average of 650,000 persons in 1970 to 664,000 persons in 1971. The average of employed persons rose from 622,000 to 633,000: the average levels of unemployment were 4.3% in 1970 and 4.7% in 1971. For the last six months of 1971 the average level of employed persons was 652,000 as compared with 630,000 in the last half of 1970; the comparable unemployment rates were 3.8% and 4.1%.

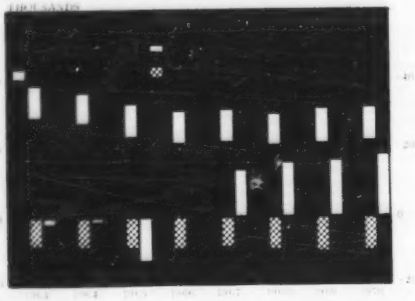
Labour income rose from $3.2 billion to $3.5 billion, reflecting the higher numbers employed and the higher wage and salary rates in effect during 1971.

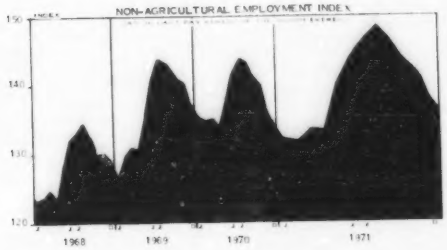










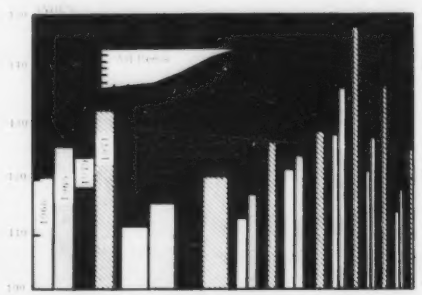


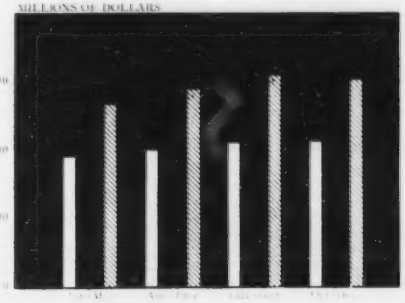
ALBERTA POPULATION AND LABOUR FORCE STATISTICS

	1961	1968	1969	1970	1971
Population Estimates (June 1st)	1,332,000	1,526,000	1,561,000	1,600,000	1,628,000
Labour Force and Related Data (yearly averages):					
Total Employed	——	586,000	611,000	622,000	633,000
Total Unemployed	——	18,000	17,000	28,000	31,000
Total Labour Force	——	604,000	628,000	650,000	664,000
Participation Rate %	——	59.7	60.1	60.2	59.5
Unemployment Rate %	——	3.0	2.7	4.3	4.7
Yearly Averages of Estimates of Employees For Selected Industries:					
Forestry	2,200	1,700	1,900	1,700	Data
Mines, Quarries and Oil Wells	16,700	20,300	22,500	24,200	
Manufacturing	36,800	50,400	54,100	54,100	not
Construction	25,600	36,400	39,000	38,300	
Transportation, Communication and Other Utilities	43,300	48,900	52,200	52,800	Avail-
Trade	57,700	80,800	85,300	87,200	able
Finance, Insurance and Real Estate	11,600	17,900	19,000	19,800	
Community, Business and Personal Services	83,400	140,600	154,100	160,000	
Public Administration and Defence	25,500	31,800	32,600	35,200	
Total Selected Industries	302,900	428,800	460,800	473,500	
Employment Indexes for Selected Industries: (Firms with over 19 Employees)					
Mining, including Milling	100,0	120.9	131.2	136.5	138.4
Manufacturing	100.0	122.8	129.3	128.9	128.8
Construction	100.0	135.1	143.4	141.6	136.1
Transportation, Communication and Other Utilities	100.0	114.8	119.7	121.8	124.8
Trade	100.0	128.6	133.5	133.2	135.0
Finance, Insurance and Real Estate	100.0	137.5	146.7	152.7	158.7
Service	100.0	172.3	192.7	198.5	203.5
Industrial Composite	100.0	128.7	136.7	138.2	139.7

PRICES AND WAGE AND SALARY STATISTICS

The Calgary–Edmonton consumer price index rose from 126.2 to 130.3 over the year, an indication of continuing inflation and that the retail dollar increases do not directly reflect physical volume changes.





	1961	1968	1969	1970	1971
Consumer Price Index (Edmonton-Calgary):					
Food	100.0	120.4	125.6	128.7	133.0
Housing	100.0	111.0	115.4	118.6	120.4
Clothing	100.0	121.3	124.4	126.4	128.8
Transportation	100.0	113.2	117.4	121.3	126.3
Health – Personal Care	100.0	128.3	136.1	143.3	148.2
Recreation – Reading	100.0	121.2	127.8	133.2	137.3
Tobacco – Alcohol	100.0	114.2	118.7	124.2	125.3
All Items (Weighted Average)	100.0	116.7	121.5	125.1	128.2
Average Weekly Wages and Salaries by Industry for Alberta:					
Mining, Including Milling	$ 111.35	161.07	172.43	184.74	198.89
Manufacturing	$ 82.31	112.52	123.25	134.64	147.58
Construction	$ 94.45	128.29	146.23	166.18	184.76
Transportation, Communication and Other Utilities	$ 83.74	119.53	130.45	141.15	153.31
Trade	$ 65.56	88.13	96.64	103.95	110.61
Finance Insurance and Real Estate	$ 69.48	99.41	108.52	114.12	120.36
Service	$ 53.59	72.29	78.17	84.27	92.10
Industrial Composite – Alberta	$ 80.29	108.02	117.95	128.15	138.77
Average Weekly Wages and Salaries for Selected Urban Areas:					
Industrial Composite – Edmonton	$ 74.77	102.63	111.98	121.80	130.32
Industrial Composite – Calgary	$ 77.67	106.71	117.10	126.73	137.26
Industrial Composite – Lethbridge	$ ––	88.97	94.88	104.44	110.61
Industrial Composite – Medicine Hat	$ ––	96.32	103.96	110.68	118.87
Industrial Composite – Red Deer	$ ––	93.03	100.78	105.73	116.92
Earnings of Hourly Rated Wage-Earners in Selected Industries for Alberta:					
Mining including Milling	$ 2.34	3.39	3.63	3.96	4.30
Manufacturing	$ 1.96	2.64	2.90	3.18	3.47
Construction	$ 2.26	3.14	3.61	4.23	4.80

GENERAL

Bank debits rose by 3.4% during 1971.

"Visitors" to national parks rose by nearly 7%, an indication of either increased tourist movement or of greater usage of the trans–Canada and Yellowhead highway routes by business and pleasure travellers.

The generally higher levels of income and of construction activity were confirmed by the higher volume of most of the recorded shipments of specified commodities to the province.

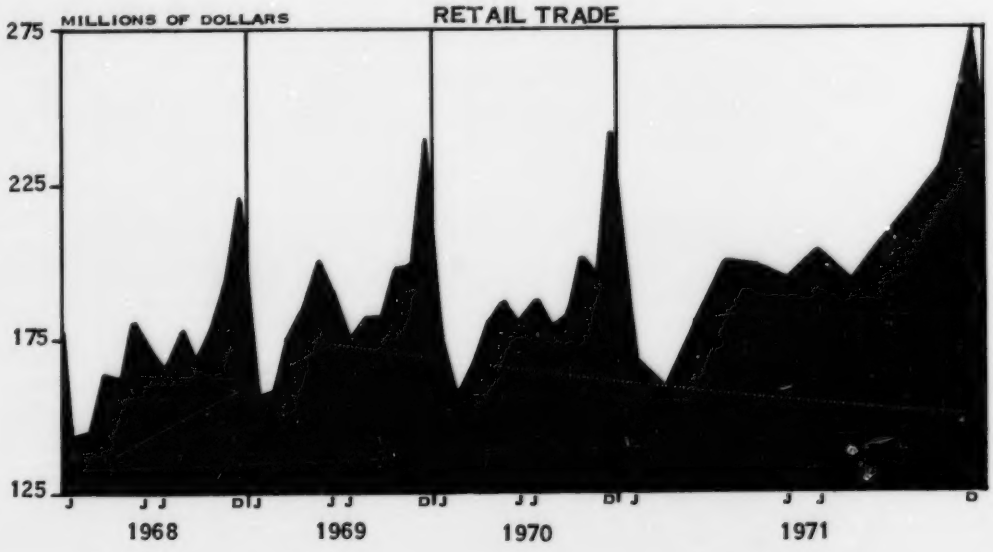
Anticipated 1972 capital and repair expenditures for all sectors of the provincial economy total $2,715.9 million. The estimated expenditures for 1972 represent an increase of $82 million or 3.1% over the previous year.

All sectors, with the exception of the primary industries and construction industry sector, anticipate increases in expenditures as compared to last year. Although repair expenditures are expected to be above year earlier levels in primary industries, capital expenditure intentions are down some $40 million. This decrease probably in large part reflects a decrease in exploratory and development drilling activity in the petroleum industry, and a decline in expenditures for gas processing plant construction in relation to 1971.

GENERAL STATISTICS

		1968	1969	1970	1971
Labour Income	S'000	2,475,000	2,910,000	3,219,000	3,532,000
Unemployment Insurance					
Benefit Weeks	No.	485,415	627,172	947,496	1,266,359
Benefit Payments	S'000	13,049	19,928	33,820	51,028
Social Allowance Payments	S'000	33,231	46,778	57,081	62,841
Bank Debits					
Calgary	M S'000	22,357	25,470	28,896	29,754
Edmonton	M S'000	18,021	20,420	21,107	21,845
Lethbridge	M S'000	1,089	1,213	1,233	1,353
Medicine Hat	M S'000	441	488	473	538
TOTAL	M S'000	663,318	787,249	756,425	821,309
Life Insurance	S'000	41,908	47,591	51,709	53,490
Financing of Motor Vehicles:					
Passenger Cars	No.	28,674	31,273	22,529	20,277
	S'000	65,586	77,161	51,916	43,693
Commercial Vehicles	No.	10,651	12,100	12,255	12,879
	S'000	33,886	48,456	52,421	56,031
Aircraft Movement Statistics: Itinerant					
Calgary International	No.	64,849	70,060	73,457	80,925
Edmonton Industrial	No.	82,652	86,388	81,416	81,591
Edmonton International	No.	21,932	23,538	26,728	31,683
Lethbridge	No.	18,054	17,452	15,276	15,841
Restaurant Receipts	S'000	92,893	100,154	102,901	105,327

Retail sales rose by almost 9% over 1970; wholesale sales by over 13%. The significant volume increases were by grocery stores (up $26 million); by the Department stores (up $42 million); and by automobile dealers and service stations (up by $67 million).



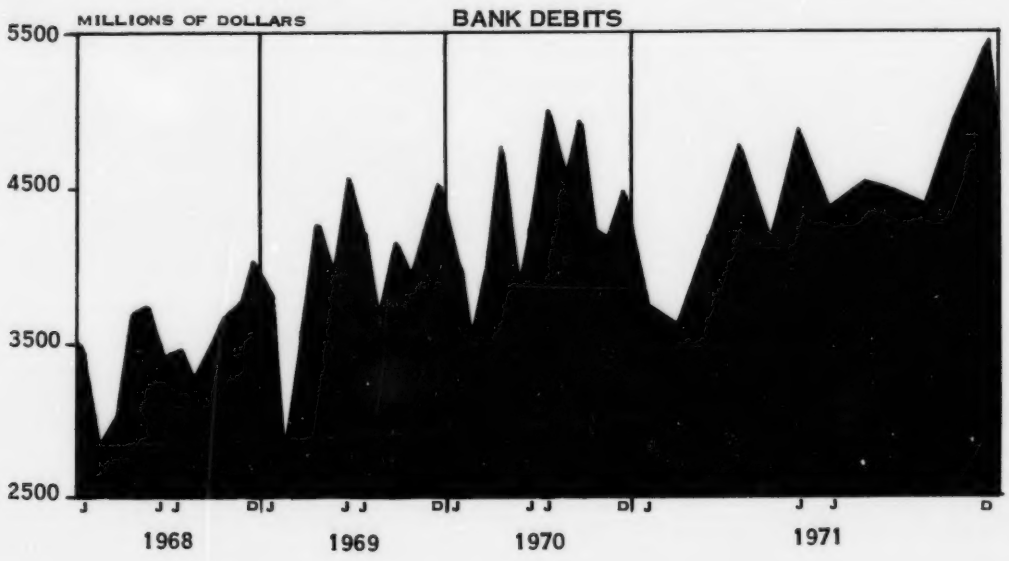
RETAIL TRADE

	1968 ($'000)	1969 ($'000)	1970 ($'000)	1971 ($'000)
Grocery and Combination Stores	388,594	424,938	452,212	477,763
Other Food and Beverage Stores	32,014	37,527	39,670	41,237
General Merchandise Stores	62,702	68,439	66,313	73,310
General Stores	75,225	80,796	84,345	89,955
Department Stores	275,711	306,407	325,785	367,975
Variety Stores	29,730	30,587	30,414	30,110
Motor Vehicle Dealers	438,039	461,213	378,296	424,260
Service Stations and Garages	204,939	222,527	225,424	246,953
Men's Clothing Stores	24,783	25,685	26,925	28,966
Family Clothing Stores	27,944	27,884	27,336	27,733
Women's Clothing Stores	32,345	34,991	34,932	37,151
Shoe Stores	17,793	19,711	20,168	20,963
Hardware Stores	34,542	36,591	37,624	38,734
Furniture, Appliance and Radio Stores	44,878	45,975	46,963	49,147
Fuel Oil Dealers	19,096	19,908	19,550	20,616
Drug Stores	59,722	62,086	64,256	68,272
Jewellery Stores	14,817	15,700	15,827	17,244
Miscellaneous	284,016	313,739	334,395	361,649
TOTAL	2,066,890	2,234,704	2,230,435	2,422,038

Slight differences between totals and their components are due to the rounding of the figures.

WHOLESALE TRADE, TRENDS

BY TYPES:	1970 ($'000)	1971 ($'000)
Amusement and Sporting Goods	13,511	15,299
Auto Supplies and Equipment	164,380	216,940
Chemicals, Drugs and Allied products	55,621	59,986
Dry Goods and Apparel	16,531	18,863
Electric Goods (Household and Industrial)	131,909	146,084
Farm Products (Raw Materials)	3,204	3,786
Farm Supplies	4,042	3,418
Tobacco	51,407	54,952
Furniture and House Furnishings	41,347	52,074
Groceries and Meats	407,571	440,963
Hardware	39,697	46,696
Building Materials (Excl. lumber)	44,207	49,288
Lumber and Millwork	56,602	71,131
Machinery Equipment & Supplies (Commercial & Construction)	27,775	34,157
Machinery and Equipment (Farm)	42,061	63,121
Machinery Equipment and Supplies (Industrial)	60,135	67,422
Professional Services, Transportation Equipment and Supplies	36,109	37,300
Metals and Metal Work	46,876	47,864
Paper and Paper Products	24,059	25,217
Petroleum and Petroleum Products	257,846	271,575
Plumbing and Heating Equipment and Supplies	65,962	71,688
Miscellaneous	16,748	18,623
TOTAL	1,607,596	1,816,447



FORESTRY, TRAPPING, TRAVEL

		1968	1969	1970	1971
Pulpwood Production	Cunits	192,946	333,340	316,947	206,216
	$'000	3,972	6,863	6,525	4,246
Fur (Wild Life) Pelts	No.	820,704	646,452	499,265	528,015
	Value $	1,520,347	1,996,232	1,910,421	1,705,619
Foreign Vehicles Entering Through Alberta Border Points	No.	111,992	122,988	136,472	147,304
Visitors to National Parks					
Banff (East Gate)	No.	2,136,832	2,239,016	2,297,275	2,465,856
Elk Island	No.	279,451	302,833	304,984	313,800
Jasper (East Gate)	No.	789,239	1,056,997	1,285,298	1,365,604
Waterton Lakes	No.	516,112	472,850	520,321	554,627
TOTAL	No.	3,721,634	4,071,696	4,407,878	4,699,887

SHIPMENTS OF SPECIFIED COMMODITIES TO ALBERTA

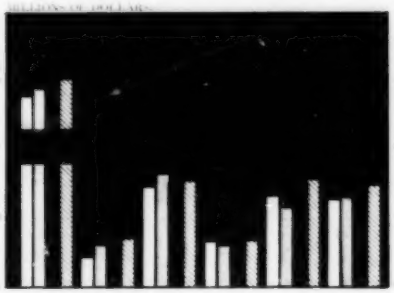
		1968	1969	1970	1971
New Motor Vehicles	No.	78,066	83,851	66,288	78,636
	$'000	282,903	355,087	252,726	347,711
Farm Implements	$'000	93,041	84,342	62,873	87,628
T.V. Sets	No.	44,839	49,441	43,738	47,390
Radio Phonographs	No.	13,597	14,063	10,840	11,755
Record Players	No.	20,473	14,859	11,973	10,465
Stoves: Gas	No.	8,201	10,264	7,297	8,176
Electric	No.	20,388	25,104	25,408	28,734
Mechanical Refrigerators	No.	31,642	38,133	35,882	40,835
Home and Farm Freezers	No.	12,628	13,907	12,955	17,248
Washing Machines: Automatic	No.	19,538	20,967	18,586	22,523
Conventional	No.	12,256	10,484	8,957	5,936
Clothes Dryers: Electric	No.	15,396	15,622	15,140	19,151
Gas	No.	5,558	5,831	5,223	5,464
Margarine	M Lbs.	15,370	16,041	17,063	15,134
	$'000	4,237	4,341	4,948	4,349
Dog and Cat Feeds	Tons	11,488	11,573	15,158	20,118
Stock and Poultry Feeds	Tons	1,024,426	1,113,955	1,163,137	1,282,000
Stock and Poultry Secondary Feed	Tons	128,630	121,260	136,501	146,767
Plywood	M Sq. ft.	204,362	214,446	200,645	233,193
Asphalt Roofing:					
Asphalt Shingles, 210 lbs. and over	Roof sqs.	384,703	492,843	463,196	498,263
Asphalt Shingles, less than 210 lbs.	Roof sqs.	3,711	3,283	1,289	36
Rag & Asbestos Felt Roll Roofing (general)	Roof sqs.	46,961	n.a.	33,052	34,018
Coated BUR	Roof sqs.	n.a.	n.a.	16,563	8,192
Mineral Surface Rag & Asbestos, Felt Roll Roofing & Siding	Roof sqs.	55,059	58,220	60,600	63,720
Tar and Asphalt Felts	Tons	5,919	7,043	5,243	6,514
Tar and Asphalt Sheathing (Kraft base)	Tons	859	988	825	1,151
Tar and Asphalt Sheathing (non-Kraft base)	Tons	149	123	135	127
Roofing Pitch	Tons	86	127	102	85
Roofing Asphalt	Tons	11,955	16,760	13,479	17,655
Rigid Insulating Board (M sq. ft., ½" basis)					
Building Board		4,007	4,877	4,226	5,105
Asphalt Sheathing		5,546	7,648	7,362	10,049
Roof Insulation Board		24,571	28,428	21,089	24,965
Acoustical Tile		1,875	1,654	1,388	1,149
Other Decorative Board		5,487	5,322	6,027	4,831
Other Board		685	886	913	1,130
Total		42,171	48,815	41,006	47,229

PRIVATE AND PUBLIC INVESTMENT

Capital outlays by manufacturing firms in Alberta are expected to rise by almost 21% during 1972. This increase is probably attributable to large expenditures in the petroleum refining and the wood pulp industries. Planned expenditures by manufacturing firms in the Calgary and Edmonton metropolitan areas show a decrease compared to the previous year; investment programs of manufacturers in these two areas comprise about 42% of the provincial total as compared to 53% in 1971.

Expenditures on housing are expected to rise by 3.7% in 1972. Expenditures in 1971 were almost 30% higher than in 1970. Planned outlays in the services producing sector (utilities; trade, finance and commercial services; and institutional services and government departments) show a moderate increase of 6.3% over last year.

The investment plans for 1972 as outlined were reported at a time when an unusually high degree of uncertainty faced the business community. Some of the uncertainty has since been resolved which may have an expansionary effect on investment programs actually to be undertaken during the year.



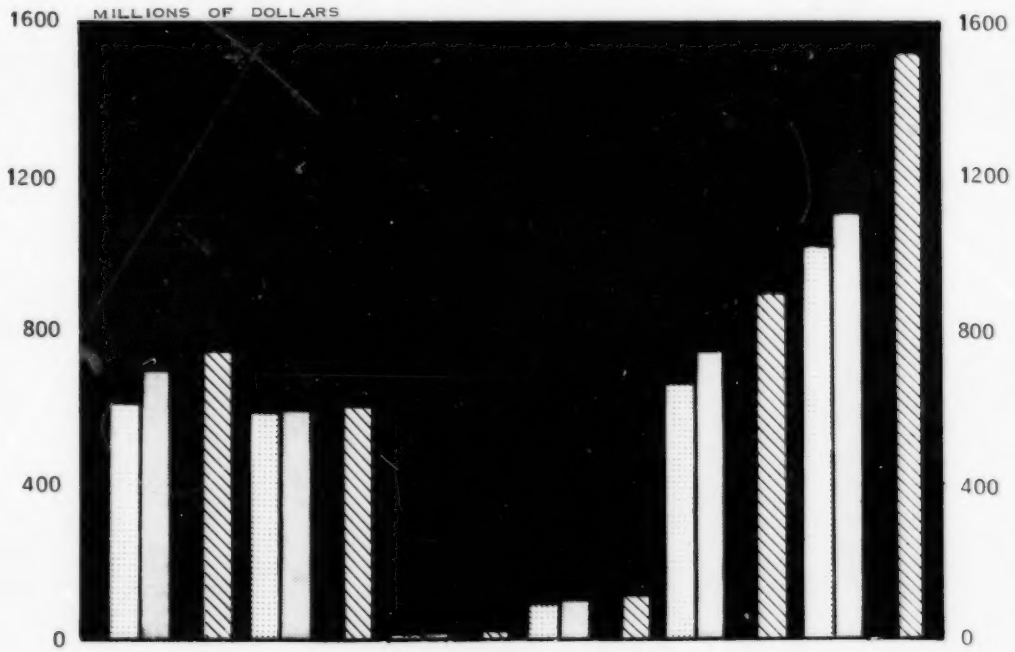
PRIVATE AND PUBLIC INVESTMENT (MILLIONS OF DOLLARS)

	1969	1970	1971	1972 Construction	1972 Machinery & Equipment	1972 Total
1. Primary Industries and Construction Industries	842.4	878.1	949.0	545.9	371.2	917.1
Manufacturing:						
2. Food and Beverages	22.4	31.7	32.7	9.0	19.4	28.4
3. Wood	7.8	8.6	13.9	1.8	8.4	10.2
4. Metal Fabricating	4.7	4.1	3.8	0.8	3.3	4.1
5. Non-metallic Mineral Products	12.1	12.0	13.4	7.1	17.3	24.4
6. Other Manufacturing	88.4	127.1	116.2	51.1	93.5	144.6
7. Sub-totals (2 to 6)	135.4	183.5	180.0	69.8	141.9	211.7
8. Utilities	438.7	495.9	456.8	259.9	208.7	468.6
9. Trade, Finance and Commercial Services	196.2	186.5	168.4	93.5	106.0	199.5
10. Housing	400.6	350.0	453.9	470.6	—	470.6
11. Institutional Services and Government Departments	386.1	392.4	425.6	388.3	60.1	448.4
12. Totals	2,399.4	2,486.4	2,633.7	1,828.0	887.9	2,715.9

NET VALUE OF PRODUCTION

Net value of production is a measure of the value added by each industry to the total value of goods produced during a specified time period. This measure is obtained by subtracting the cost of materials and supplies, and the cost of fuel and electricity used, from the market value of goods produced. Thus the "value added" figure covers and includes the cost of labour, taxes, depreciation, interest on capital, rents and profits.

"Value added" figures show the real relative contributions of the goods–producing industries to the economy of the province. Over the four year period 1968–1971 the total value added of Alberta industries is estimated to have increased by 31.8% to $3.9 billion. In spite of a rise in absolute dollar value the contribution from agriculture declined from 19.5% to 15.4% of the total; the contribution from mining rose from 34.4% to 39.2%, and of the construction industry from 22.5% to 23.1%. All figures are on a current dollar basis with no adjustments made for inflation.



NET VALUE OF PRODUCTION IN COMMODITY PRODUCING INDUSTRIES

	1968 ($'000)	(%)	1969 ($'000)	(%)	1970+ ($'000)	(%)	1971+ ($'000)	(%)
Agriculture	577,097	19.5	582,076	17.9	563,606	16.0	600,000	15.4
Mining	1,019,853	34.4	1,108,604	34.1	1,296,414	36.9	1,530,000	39.2
Electric Power	85,133	2.9	94,460	2.9	105,515	3.0	113,000	2.9
Manufacturing	604,529	20.4	702,810	21.6	708,496	20.2	750,000	19.2
Construction	665,220	22.5	753,132	23.2	827,700	23.6	900,000	23.1
Other	8,995	0.3	10,932	0.3	11,000	0.3	11,000	0.3
TOTAL	2,960,828	100.0	3,252,014	100.0	3,512,731	100.0	3,904,000	100.0

+ Alberta Bureau of Statistics preliminary estimates. The "Other" industries category is comprised of The "Mining" industry includes oil and gas. forestry, fisheries and trapping.

INDUSTRIAL PROJECTS

PROJECTS COMPLETED DURING 1971 (CAPITAL COST OF $100,000 OR MORE)

Company and Location	Expenditure $	Product or Type of Operation
Academy Aluminum Products Ltd. Edmonton	280,000	Aluminum windows & doors
Betz Laboratories Ltd. Edmonton	500,000	Effluent Treatment products
Brooks Food Industries Ltd. Brooks	192,000+	Potato chips
Canada Packers Ltd. Lethbridge	575,000	Hide curing
Canadian Dressed Meats Ltd. Lethbridge	557,000+	Beef pre-cut and packaged
Canadian Liquid Air Ltd. Edmonton	100,000+	Compressed air, hydrogen, oxygen, acetylene, etc.
Canadian Phoenix Steel & Pipe Ltd. Edmonton	3,000,000	Steel pipe – spiral welded
Canfor Ltd. Grande Prairie	280,000	Forest products
Catelli Habitant Ltd. Lethbridge	500,000+	Macaroni plant
CE Natco Ltd. Calgary	1,000,000+	Heavy steel fabricating
Consolidated Concrete Ltd. Edmonton	100,000+	Ready-mix concrete, concrete pipe, blocks, etc.
Consolidated Concrete Ltd. Grande Prairie	100,000+	Ready-mix concrete
Demco Incorporated Ltd. Edmonton	300,000	Butterfly valves
Don Parker Manufacturing Ltd. Edmonton	500,000+	Clothing manufacturing
Fenley Machine and Welding Ltd. Grande Prairie	150,000	Steel fabricating
Fenn-Dor Plastics Ltd. Edmonton	100,000+	Rigid plastic cartons
Gallelli Construction Materials Ltd. Calgary	1,000,000	Concrete pipe
Guiseppi's Pizza Ltd. Edmonton	300,000+	Pizza

Company and Location	Expenditure $	Product or Type of Operation
Glass Fab Industries Ltd. Peace River	161,000+	Trailers
Grande Prairie Packers Ltd. Grande Prairie	1,250,000	Packing Plant
Great West Steel Industries Ltd. Edmonton	400,000+	Structural steel-beams, columns, joints, etc.
Gulf Oil Canada Limited Edmonton	80,000,000+	Refinery
Haico Manufacturing Ltd. Lethbridge	100,000+	Motor homes
I.H.S. Film Production Service Ltd. Edmonton	100,000	Motion pictures
Indalex Limited Calgary	1,000,000+	Aluminum extrusions
Industrial Sheet Metal Products Ltd. Calgary	100,000+	Machine metal products
Labatt's Alberta Brewery Ltd. Edmonton	2,150,000+	Brewery
Lee's Sheet Metal Ltd. Grande Prairie	200,000	Air conditioning & heating equipment
McAra Printing Ltd. Calgary	100,000+	Printing
Newell Vegetables Ltd. Brooks	650,000+	Vegetable processing
Northern Alberta Dairy Pool Ltd. Grande Prairie	300,000+	Dairy products
Oil Patch Equipment Ltd. Edmonton	555,000+	Oilfield production equipment
Pak Wel Produce Ltd. Vauxhall	1,800,000+	Dehydrated potatoes
Plastex Extruders Ltd. Calgary	100,000	Plastic extrusions
Pop Shoppe (Edmonton) Ltd. Edmonton	350,000	Soft drinks
Prebuilt Industries Ltd. Lethbridge	197,000+	Travel trailers, industrial camps

Revelstoke Building Materials Ltd. Harlech	180,000+	Planing mill
Rocky Mountain Packers Ltd. Calgary	1,000,000	Processed meat
Smoky Lake Processors Ltd. Smoky Lake	605,000	Dehydrated alfalfa pellets
South West Aluminum Distributors Ltd. Calgary	100,000	Aluminum fabrication
Steel Craft Door Products Ltd. Edmonton	235,000+	Garage doors
Superior Components Ltd. Calgary	175,000+	Woodworking
Swift Canadian Co. Ltd. Lethbridge	3,600,000	Packing plant
Three D Plastic Signs Ltd. Edmonton	100,000+	Plastic signs
Van's Sausage Co. Ltd. Edmonton	100,000+	Sausage
Vetsch Partitions Ltd. Edmonton	200,000	Prefinished partitions
Western Aluminum Products Ltd. Calgary	200,000+	Aluminum products
Western Truck Body Manufacturing Ltd. Lethbridge	240,000	Tractor cabs & truck bodies

PROJECTS UNDER CONSTRUCTION AT YEAR END

Company and Location	Expenditure $	Product or Type of Operation
Alberta Power Ltd. Grande Cache	33,800,000	Thermal power plant
Alberta Processing Co. Ltd. Calgary	119,000+	Animal Rendering
Alpha Dairy Company Ltd. Calgary	2,500,000+	Dairy products
Andres Wines (Alberta) Ltd. Calgary	125,000+	Winery
Aqua Tech Ltd. Lethbridge	170,000	Activated charcoal

Company and Location	Expenditure $	Product or Type of Operation
Branch Pole Co. Ltd. Edson	147,000	Fence posts, railway ties, telephone poles
Brooks Tube Ltd. Brooks	1,000,000	Steel pipe
Bulletin Printers Ltd. Edmonton	2,000,000+	Commercial printing
Burns Foods Ltd. Edmonton	4,000,000+	Packing plant
Calgary Power Ltd. Big Horn	40,000,000	Hydro-electric power
Calgary Power Ltd. Lake Wabamun	48,000,000+	Thermal power generation
Canada Malting Co. Ltd. Calgary	2,960,000+	Malting barley processing
Canadian Bedding Ltd. Edmonton	250,000+	Bedding & bedding products
Canadian Equip. Sales & Service Co. Ltd. Edmonton	370,000+	Oil & gas producing equipment
Canadian Industries Limited Edmonton	1,800,000+	Polyethylene film
Canadian Johns-Manville Co. Ltd. Fort Saskatchewan	1,000,000+	Fibre glass pipe insulation, plastic pipe
Canadian Phoenix Steel & Pipe Ltd. Calgary	10,000,000+	Steel pipe
Capital Packers Ltd. Edmonton	300,000+	Meat packing & processing
Con-Force Limited Calgary	100,000+	Precast concrete
Custom Engine and Parts Ltd. Lethbridge	106,000+	Rebuilt engines
Delton Cabinet Co. Ltd. Edmonton	200,000+	Kitchen cabinets
Diamond S. Produce Ltd. Barnwell	410,000	Potato processing
Ezee-on Manufacturing Ltd. Vegreville	180,000+	Front end loaders, farm implements

Company and Location	Expenditure $	Product or Type of Operation
Faust Forest Products Co. Ltd. Faust	660,000	Sawmill
Glen Little Construction Ltd. Lethbridge	130,000	Truck bodies
Great Canadian Oil Sands Ltd. Fort McMurray	16,000,000+	Synthetic crude oil
Great West Feeds Ltd. Red Deer	336,000	Domestic animal food
Hi-Grade Feeders Ltd. Hardisty	114,000	Feed mill
Hillbrand Industries Ltd. Olds	270,000	All-terrain vehicles
Inland Plastics Ltd. Rosedale	103,000+	Tarpaulins, awnings, tents
International Brick & Tile Ltd. Wabamun	107,000	Brick (from fly ash)
International Portable Pipe Mills Ltd. Calgary	8,000,000	Steel pipe
Jasper Dairy Co. Ltd. Edmonton	2,887,000+	Dairy products
Lakeside Packers Ltd. Brooks	1,500,000	Packing plant
Liquid Carbonic Canadian Corp. Ltd. Fort Saskatchewan	350,000	Liquid CO_2, Dry Ice
Maloney Steelcraft Ltd. Calgary	1,000,000	Steel fabricating
National Farmers Union Rycroft	190,000	Seed cleaning plant
North American Stud Ltd. Slave Lake	3,000,000	Building studs
Northern Alberta Cement Co. Ltd. Clyde	3,000,000	Portland cement
North Western Pulp & Power Ltd. Hinton	4,250,000+	Stud mill
Northwood Industries Ltd. Slave Lake	108,000	Prefabricated homes

Company and Location	Expenditure $	Product or Type of Operation
Old Dutch Ltd. Rosemary	351,000	Potato conditioning
P.O.P. Industries Ltd. Whitecourt	305,000	Pop-off-post holders, etc.
Proctor & Gamble Co. of Canada Ltd. Grande Prairie	92,000,000	Pulp mill
Purity Bottling Ltd. Lethbridge	242,000	Soft drinks
Royblu Feeds Ltd. Barrhead	300,000	Stock feed plant
Sherritt Gordon Mines Ltd. Fort Saskatchewan	100,000+	Fertilizer plant
SIL Silica Ltd. Bruderheim	250,000+	Silica sand
Southern Feeds Ltd. Lethbridge	139,000+	Feed mill
Specialty Metal Crafts Ltd. Blackfalds	242,000+	Filing cabinets
Sunburst Ceramics Ltd. Lethbridge	100,000+	Ceramic wares
Temple Industries Ltd. Stony Plain	204,000	Planing mill
Tested Truss Systems Ltd. Calgary	178,000+	Truss plates
Texaco Canada Ltd. Edmonton	1,500,000+	Refinery
Tirol Dehydrators Ltd. Tilley	489,000	Alfalfa dehydrating plant
Tissington Industries Ltd. Grande Prairie	790,000	Transportable buildings
Uncle Ben's Tarton Breweries (Alta.) Ltd. Red Deer	3,504,000	Brewery
Valere's Steel Industries Ltd. Bonnyville	255,000	Farm and commercial building
Western Canadian Seed Processors Ltd. Lethbridge	1,000,000+	Rapeseed processing

PROJECTS UNDER CONSIDERATION AT YEAR END

Company and Location	Expenditure $	Product or Type of Operation
Alberta Alfalfa Products Ltd. Brooks	750,000	Alfalfa pellets
Alberta Power Ltd. Forestburg	33,000,000+	Thermal power plant
Alberta Power Ltd. Mildred Lake	60,000,000	Thermal power plant
Alcan Canada Products Ltd. (Location under study)	1,600,000	Aluminum window & door frames
Calgary Power Ltd. Wabamun	100,000,000+	Thermal power plant
Canada Cement Lafarge Ltd. Exshaw	30,000,000+	Cement
Chief Industries Ltd. Grimshaw	100,000	Folding truck campers
F. G. Bradley Co. Ltd. Edmonton	500,000+	Specialty meats
Gendall's Ltd. Edmonton	1,000,000+	Mobile homes
Hollandia Bakery McLennan	200,000+	Bakery products
Imperial Oil Ltd. Edmonton	200,000,000+	Refinery
International Distillers (Canada) Ltd. Lethbridge	9,000,000	Distillery
Irving Industries Ltd. Calgary	150,000+	Wire fabric
J. I. Dyck Ltd. Edmonton	100,000	Garden equipment
J. & T. Feeds Ltd. Hanna	200,000	Cattle and hog feed
Kroehler Furniture Manufacturing Ltd. Edmonton	1,500,000	Upholstered furniture
McIntyre Porcupine Mines Ltd. Grande Cache	10,000,000+	Coal mine - strip
North American Integrated Food Processing Co. Ltd. Taber	25,000,000	Pork processing

Company and Location	Expenditure $	Product or Type of Operation
North Western Pulp & Power Ltd. Hinton	50,000,000+	Pulp mill
Pamco Power Application Ltd. Edmonton	125,000	Compressors, generators
Steel Brothers Canada Ltd. Exshaw	1,000,000+	Lime & limestone
Syncrude Canada Ltd. Mildred Lake	300,000,000	Synthetic crude oil
Tottrup & Associates Ltd. High Prairie	3,500,000	Rapeseed processing
W. E. Green Sales Ltd. Edmonton	150,000	Industrial soaps and detergents
Westlock Oil Crushing Ltd. Westlock	1,000,000	Vegetable oils
W. R. Zeidler Ltd. Kinuso	3,000,000	Lumber, veneer

(The preceding list has been compiled from newspaper articles, Industrial Commissioners' reports and other sources.)

+ Expansion

Capital cost of the 48 known projects involving expenditures of over $100,000 which were completed in Alberta during 1971 totalled $105.8 million. Of this total expansions to existing plants contributed $92 million and new plant construction contributed $14 million. Of the 59 projects under construction at year end, 29 were expansions with capital costs amounting to $100.8 million; 30 were new projects with expenditure for plant and equipment totalling $192.8 million.

Not included in this listing are over 110 known projects for which expenditures are not available or are less than $100,000. There were 85 such projects completed during the year at a total cost of $1.8 million; capital cost of the 27 projects, either under construction or proposed at year end, totalled $1.1 million.

GAS PLANT PROJECTS

PLANTS COMPLETED DURING 1971

Company	Location of Plant	Expenditure $
Amoco Canada Petroleum Co. Ltd.	Bigoray Field	1,000,000
Ashland Oil Canada Ltd.	Pembina Field	600,000
Atlantic Richfield Canada Ltd.	Alderson Field	500,000
Atlantic Richfield Canada Ltd.	Medicine Hat Field	1,000,000
Atlantic Richfield Canada Ltd.	Medicine Hat Field	500,000
Canadian Delhi Oil Ltd.	Minnehik-Buck Lake Field	4,000,000+
Canadian Pacific Oil & Gas Ltd.	Wayne-Rosedale Field	500,000+
Canadian Superior Oil Ltd.	Lone Pine Creek Field	4,000,000
Ceja Corporation Ltd.	Delburne-Mikwan Field	1,000,000
Chevron Standard Ltd.	Kaybob South Field	90,000,000
Dome Petroleum Ltd.	Empress	30,000,000
Gulf Oil Canada Ltd.	Strachan Field	25,000,000
Hudson's Bay Oil & Gas Co. Ltd.	Brazeau River Field	2,000,000+
Imperial Oil Ltd.	Judy Creek Field	10,000,000
Imperial Oil Ltd.	Judy Creek Plant	3,000,000
Imperial Oil Ltd.	Quirk Creek Field	8,000,000
Imperial Oil Ltd.	Redwater Field	3,000,000+
Shell Canada Ltd.	Hope Creek Gas Pool	1,000,000
Shell Canada Ltd.	Waterton	25,000,000
Tenneco Oil & Minerals Ltd.	Nordegg River	2,000,000+
Texaco Exploration Canada Ltd.	Wizard Lake Field	1,000,000
Westcoast Production Co. Ltd.	Stanmore Field	1,000,000

PLANTS UNDER CONSTRUCTION AT YEAR END

Company	Location of Plant	Expenditure $
Amoco Canada Petroleum Co. Ltd.	Pointed Mountain Field	8,500,000
Aquitaine Co. of Canada Ltd.	Rainbow Oil Field	6,000,000+
Aquitaine Co. of Canada Ltd.	Strachan-Ricinus Field	67,000,000
Atlantic Richfield Canada Ltd.	Gilby Field	2,000,000
Chevron Standard Ltd.	Fort Saskatchewan	7,000,000
Home Oil Co. Ltd.	Carstairs-Crossfield Plant	1,000,000+
Imperial Oil Ltd.	Joffre Oil Field	3,500,000+
Mobil Oil Canada Ltd.	Rainbow Oil Field	5,000,000+

PLANTS UNDER CONSIDERATION AT YEAR END

Company	Location of Plant	Expenditure $
Amoco Canada Petroleum Co. Ltd.	Nipisi Field	5,000,000
Canadian Pacific Oil & Gas Ltd.	Countess Field	500,000
Canadian Superior Oil Ltd.	Harmattan Area Plant	5,000,000+
Dome Petroleum Ltd.	Zama Field	10,000,000
Gulf Oil Canada Ltd.	Berland River Field	2,000,000
Hudson's Bay Oil & Gas Co. Ltd.	Zama Oil Field	6,000,000
Pacific Petroleums Ltd.	Phoenix Field	10,000,000
Sun Oil Co. Ltd.	Hartell	2,000,000
Tenneco Oil & Minerals Ltd.	Flat Lake Field	1,000,000+
Texaco Exploration Canada Ltd.	Bonnie Glen Oil Field	15,000,000

+ Expansion

Capital cost of the twenty-two gas processing plants completed in the province during 1971 totalled $214 million. The value of eight plants under construction at year end was $100 million.